3.4 DESCRIPTION OF ORGANIZATION FOR OPERATIONS

LANSCE operation is directed through an organized management structure within the Laboratory's matrix organization of program and line management, in which the Program Directors are responsible for funding, planning, and coordinating the Laboratory's programs, and the line Division Directors are responsible for applying the resources to the conduct of these programs and for the safety of operations. The LANSCE/ER Program Director and the AOT Division Director report directly to the Laboratory Director.

3.4.1 Organization for Facilities, Operations, and ES&H

Overall responsibility for program and facility operation belong to the Program Director and Deputy, and the AOT Division Leader. This arrangement is described in Appendix 3-4. The AOT Division Director is the "Landlord," who is responsible for LANSCE facilities, operations, and ES&H, and has ownership of the safety envelope for operation of these facilities. The arrangment for operational safety is shown in Figure 3-26. Operation of the linac with beam is authorized by a designated AOT Division manager for purposes agreed to by AOT Division, either for facility preparation (checkout, tuneup, and development) or for the benefit of an appropriately reviewed experimental program. Beam delivery follows a written plan developed and implemented by the Accelerator Operations Group (AOT-6).

Operation of beam-related equipment without beam in the linac can be performed under the cognizance of a level of management appropriate to the scope of the activity. For example, operation of the injectors can be authorized by the responsible team leader.

3.4.1.1 ES&H Committees

ES&H oversight for LANSCE is provided by ES&H committees under the facility-wide TA-53 ES&H Council, which is chaired by the AOT-Division Director. Membership of the council includes representatives from each of the major organizations on site (AOT Division, MLNSC, CST Division, P Division, ESA-DE, and DOE). The standing committees include the Radiation Safety, LANSCE Operations Safety, Electrical Safety, Radioactive Materials/ALARA, and Industrial Safety.

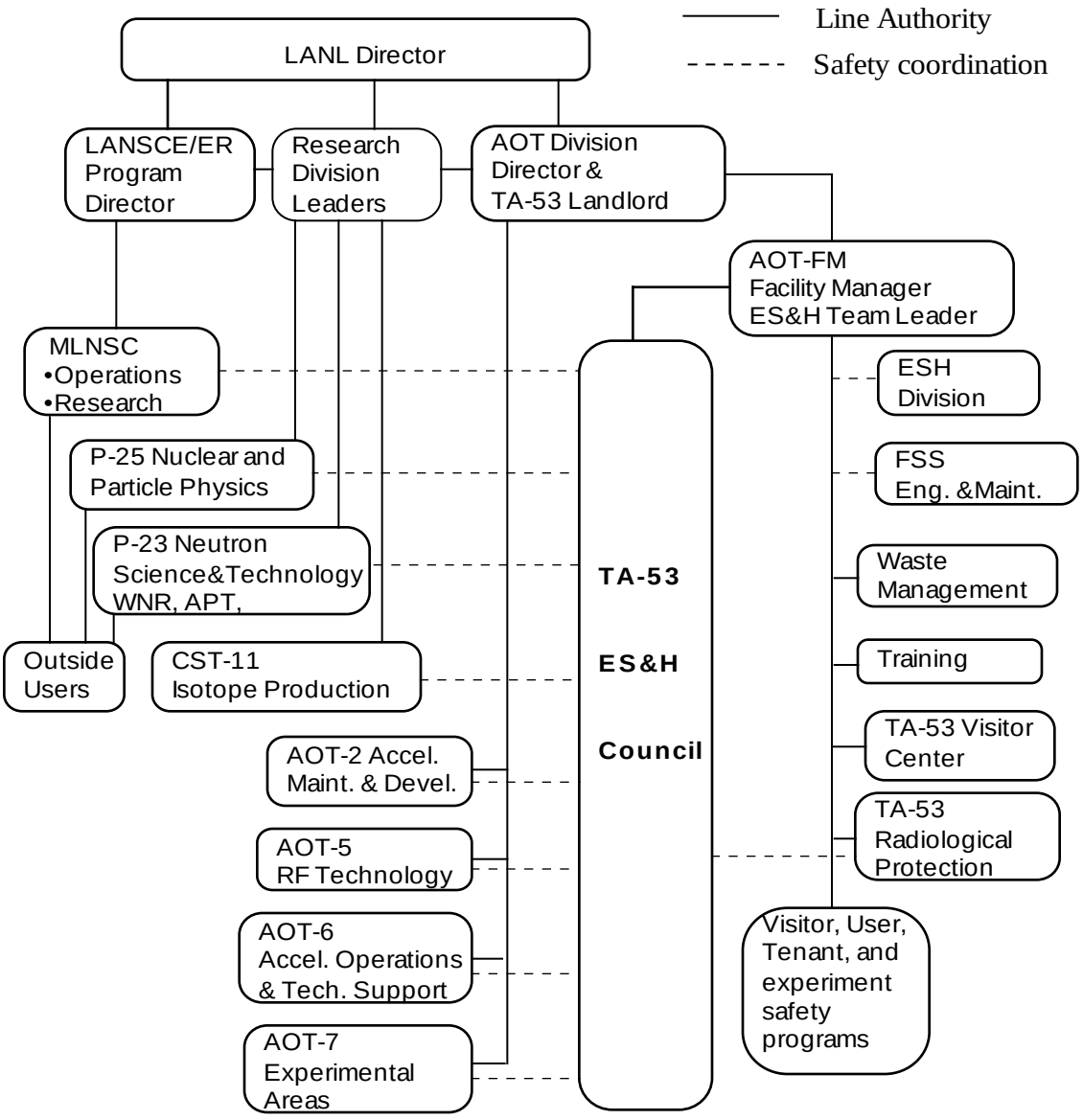

Figure 3-26. LANSCE line authority and ESH coordination.

3.4.1.2 Facility Management

The Facility Manager reports directly to the TA-53 owner (AOT Division Director) and is responsible for the overall management of the maintenance, safety, and security programs at the facilities. Support for these activities is obtained from ESH Division, FSS Division, and resident site organizations within the facility management organization. The ES&H Team Leader administers and coordinates the activities of TA-53 waste management

coordinators, the TA-53 Training Office, and ESH-5 safety and industrial hygiene personnel assigned to TA-53.

3.4.1.3 ESH-Division Support

Comprehensive ES&H support is provided by ESH Division. Various groups within ESH Division provide specialized professional expertise and execute programmatic responsibilities within their specialties.

Group ESH-1, Health Physics Operations, is responsible for radiation monitoring, posting, and assisting with compliance with the LANL RadCon Manual and 10 CFR 835. Full-time, on-site, professional health physicists and radiological control technicians are assigned to carry out these activities.

ESH-3, Facility Risk Assessment, assists in hazard classification determination, safety analysis, and safety reviews of facilities and new experiments through the ESH identification program.

ESH-4, Health Physics Measurements, is responsible for LANL-wide personnel dosimetry and record keeping.

ESH-5, Industrial Hygiene and Safety, is responsible for assistance with OSHA-like safety issues and personnel safety concerns related to the handling of hazardous materials.

ESH-7, Occurrence Investigation, assists with 5000.3B occurrence reporting.

ESH-9, Standards and Calibration, provides periodic calibration of safety monitoring instrumentation.

ESH-10, Hazardous Materials Response, is responsible for response procedures for accidents involving hazardous materials.

ESH-13, Training, provides core ESH-related training such as radiation worker, lockout/tagout, cardio-pulmonary recusitation (CPR), and crane and forklift certification.

ESH-17, Air Quality, is responsible for compliance with EPA and New Mexico Environment Department (NMED) air quality regulations.

ESH-18 is responsible for compliance with surface water quality regulations

ESH-19, Hazardous & Solid Waste, is responsible for compliance with Resource Conservation and Recovery Act (RCRA), Toxic Substances Control Act (TSCA), and other hazardous waste regulations.

ESH-20, Environmental Assessment and Resource Evaluations, is responsible for compliance with the National Environmental Policy Act (NEPA).

3.4.1.4 FSS-Division Support

Facilities, Security, and Safeguards technical support is provided by FSS Division. Under the auspices of the Facility Manager, Group FSS-9, Operations and Maintenance Services, provides full-time Building Managers for each of the occupied LANSCE buildings. Building Managers are responsible for building emergency plans, including fire drills and exercises, and operation of facility mechanical and electrical systems. FSS-9 also provides facility maintenance coordination and plant engineering support.

Other FSS Groups provide laboratory-wide support:

FSS-10, Security Operations and Systems, is responsible for security Laboratory-wide.

FSS-12, Materials Control and Accountability, is responsible for accountability and transport of nuclear materials Laboratory-wide.

FSS-20, Emergency Management and Response and Fire Protection, interfaces with the Los Alamos Fire Department and is responsible for insuring that facilities are in compliance with all applicable fire safety codes. The EM&R Section is responsible for the LANL Emergency Response Plan and its implementation.

3.4.1.5 CST-Division Support

Sampling and disposal of radioactive, hazardous, and mixed waste is handled by Group CST-17, Waste Services.

3.4.1.6 Beam Delivery Operations

AOT-Division is charged with safe and efficient LANSCE accelerator facility operation.

AOT-2 is responsible for linac, PSR, and beam line maintenance and development.

AOT-5 is responsible for linac rf power systems.

AOT-6 is responsible for all primary beam operation and the RSS.

3.4.1.7 Experimental Facility Operations

Experimental facility operations and experiments are conducted by a number of Laboratory groups and organizations.

AOT-7 is responsible for Area A, Line X, Line B, and Area C maintenance and operations. Outside users are coordinated through scheduling committees.

The Manuel Lujan Jr Neutron Scatterin Center is responsible for MLNSC facility operations and experiments. Outside user experiments are coordinated through the MLNSC Operations Manager.

Group P-23, Neutron Science and Technology is responsible for the WNR facility and experiments. Outside user experiments are coordinated through the WNR Operations Manager.

Group CST-11, Nuclear and Radiochemistry, is responsible for the Isotope Production facility and operations.